

FIG. 1

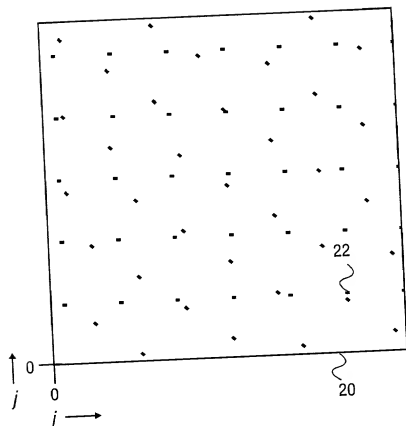


FIG. 2

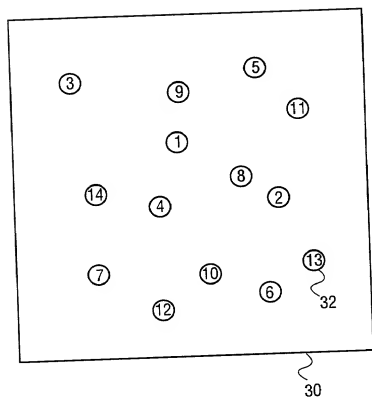


FIG. 3A

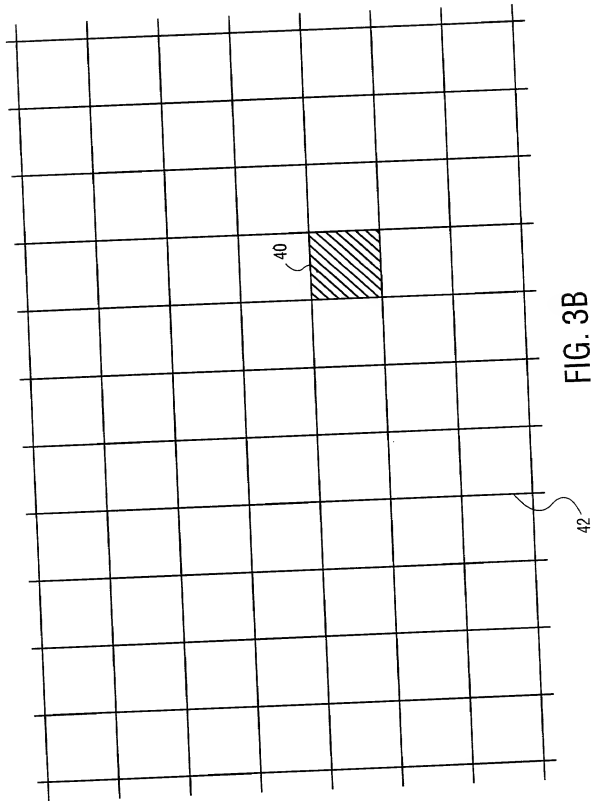


FIG. 3B

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graph TD
    START([START]) --> 405[RECEIVE PARENT  
ARRAY AND COST  
FUNCTION]
    405 --> 410[TRANPOSE MULTIPLE  
PAIRS OF PIXELS]
    410 --> 415[DETERMINE COST  
FUNCTION VALUE]
    415 --> 420{NO.  
OF ITERATIONS  
ACCEPTABLE?}
    420 -- NO --> 425[TRANPOSE  
ALTERNATE SET  
OF PAIRS OF PIXELS]
    425 --> 410
    420 -- YES --> 430{COST FUNCTION  
VALUE THRESHOLD  
REACHED?}
    430 -- YES --> END([END])
    430 -- NO --> 435[SELECT SET OF ARRAYS  
HAVING LOWEST COST  
FUNCTION VALUES]
    435 --> 440[REDUCE NUMBER OF  
PAIRS OF PIXELS  
TO TRANPOSE]
    440 --> 445[FOR EACH  
SELECTED ARRAY]
    445 --> 410

```

445

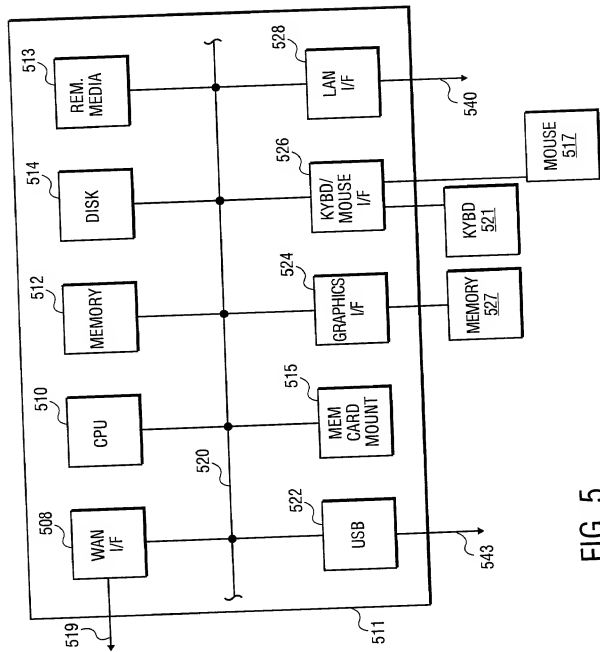


FIG. 5

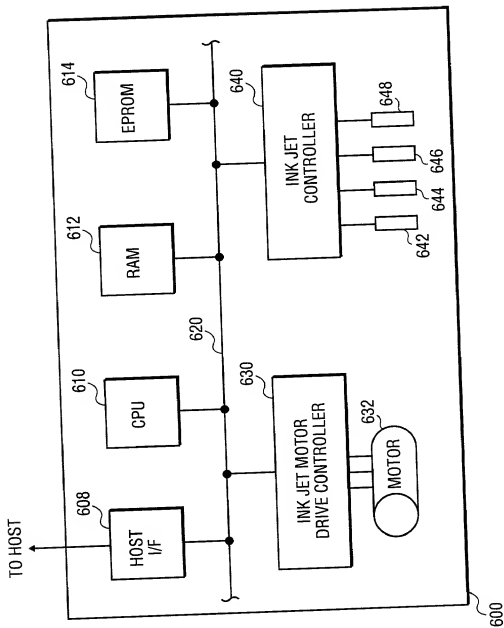
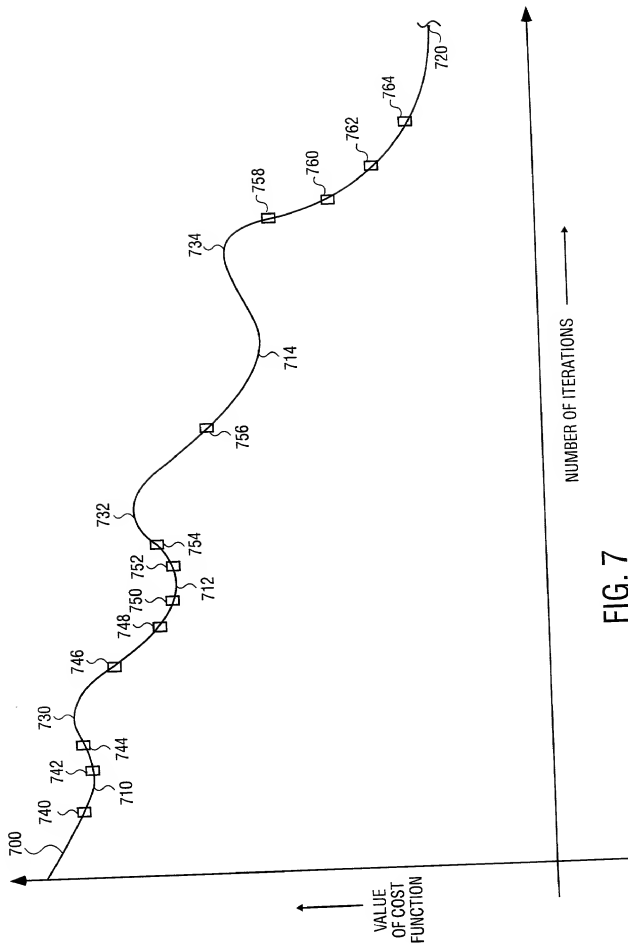


FIG. 6



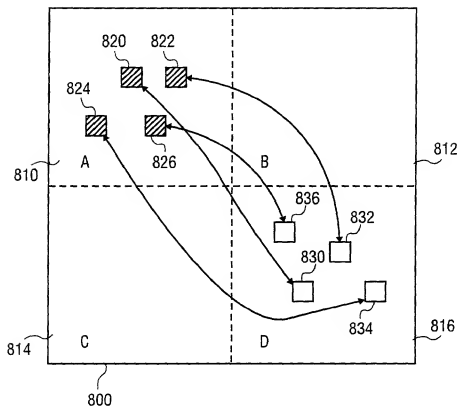


FIG. 8

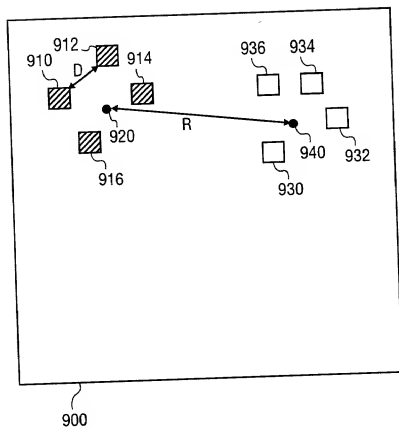


FIG. 9

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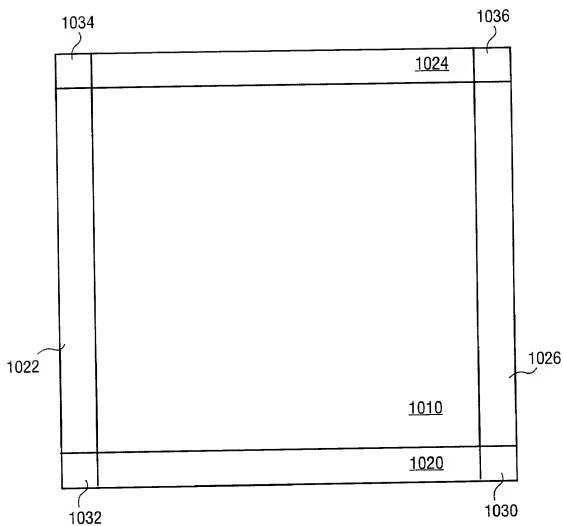


FIG. 10